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APPLICANT : KOEI CHEM CO LTD;

INVENTOR : ISHIKAWA ATSUSHI;

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TITLE : PHOTO-SETTING COMPOSITION FOR MATTE COATING AND SYNTHETIC RESIN MOLDED ARTICLE PRODUCED BY USING THE COMPOSITION

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a photo-setting composition having excellent dispersion stability with time and capable of forming a cured coating film having a fine matte pattern and obtain a synthetic resin molded article produced by using the composition.

SOLUTION: This photo-setting composition for matte coating contains (1) 100 pts.wt. of a (meth)acrylic acid ester derivative having one or more (meth) acryloyloxy groups in the molecule, (2) 1-10 pts.wt. of a photo-polymerization initiator and (3) 0.1-15 pts.wt. (in terms of fine silica powder) of an aggregate derived from 100 pts.wt. of ultrafine silica powder dispersed in an organic solvent and 0.5-60 pts.wt. of a nitrogen-containing polymer capable of agglomerating the ultrafine silica powder. The objective synthetic resin molded article is produced by applying the composition to a synthetic resin molded article and irradiating with actinic energy rays to form a cured matte coating film on the surface of the article.

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